How to configure Rasberry PI 3 as wireless access point using built in wifi

1. sudo apt-get install hostapd -y
2. sudo nano /etc/dhcpcd.conf
   1. add “denyinterfaces wlan0” to the end
3. sudo nano /etc/default/hostapd
   1. modify DAEMON\_CONF="/etc/hostapd/hostapd.conf"
4. sudo nano /etc/hostapd/hostapd.conf (create new file). And add the following

interface=wlan0

ssid=Pi\_AP

country\_code=US

hw\_mode=g

channel=6

macaddr\_acl=0

auth\_algs=1

ignore\_broadcast\_ssid=0

wpa=2

wpa\_passphrase=raspberry

wpa\_key\_mgmt=WPA-PSK

wpa\_pairwise=CCMP

wpa\_group\_rekey=86400

ieee80211n=1

wme\_enabled=1

bridge=br0

1. sudo apt-get install bridge-utils -y
2. sudo nano /etc/network/interfaces. Add the following line

auto br0

iface br0 inet dhcp

bridge\_ports usb0 wlan0

pre-up ifconfig usb0 0.0.0.0 up

pre-up ifconfig wlan0 0.0.0.0 up

pre-up brctl addbr br0

pre-up brctl addif br0 usb0

post-down ifconfig wlan0 0.0.0.0 down

post-down ifconfig usb0 0.0.0.0 down

post-down brctl delif br0 usb0

post-down brctl delbr br0

1. sudo reboot